



Innovacion y Desarrollo
Ingeniería + RRHH

P&PD

Selection of engineers

Recruiting - Headhunting - Outsourcing

Engineers selecting engineers

HEADQUARTER

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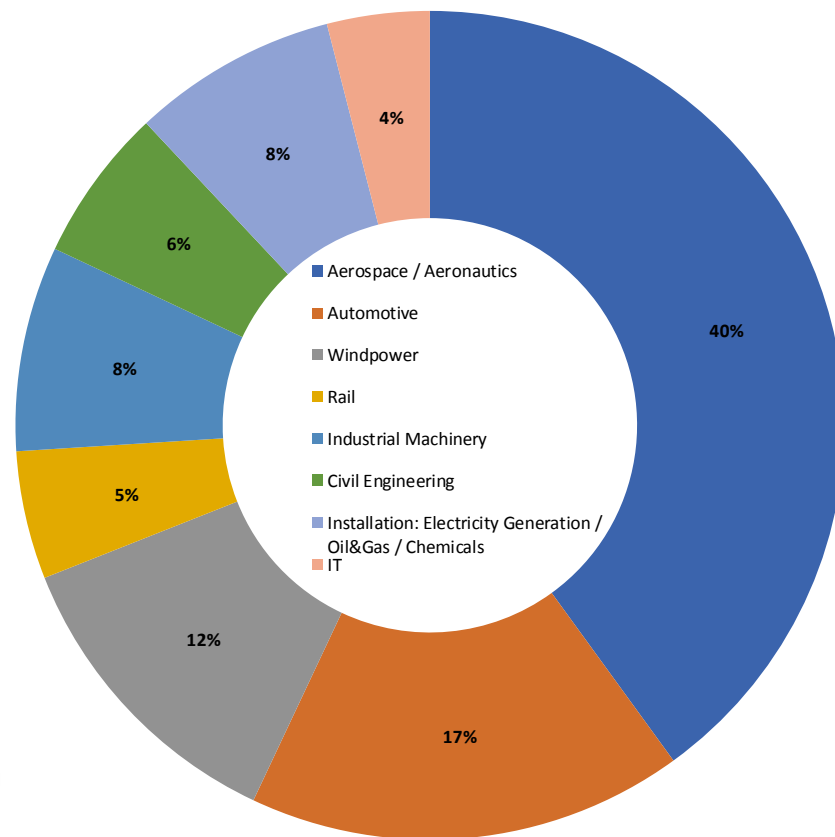


P&PD

P&PD



Since **1997** we have worked to **adapt** to the needs of our **customers**, providing technical engineering services, using both human and technical resources, which through **flexible** and **agile solutions**, enable us to **commit** providing **quality** when managing potentially **heavy workloads**.





*The right
person
in the right
place
at the right
time*



P&PD



P&PD Ingenieros is a R&D Engineering Company. We **CREATE, DEVELOP, OPTIMIZE** and **INNOVATE** electro-mechanical nature products and **SELECT** the necessary human resources for the **CLIENT** to develop the activity demanded.

P&PD encloses experience, methodology and a very deep knowledge in the use and integration of the most advanced product design and manufacturing process technologies.

- We know the customer's needs and the right profiles for the development of the activities in different sectors: Automotive, Aerospace, Rail, Energy, Civil Engineering, Machinery, Installations Electricity, Oil&Gas, Chemicals, IT, etc.
- **P&PD** covers all the phases in the development of a product, from concept to prototyping on pre-series. **P&PD** gets involved in all the phases of your development or only in those of your interest / need.
- We collaborate with Universities, Technical Colleges, Professional Diplomas in Education & Postgraduate courses.

***No company, no organization can be competitive
unless the talent is there to ensure the success***





Temporary Contract

Outsourcing provides flexibility and optimizes costs.

We supply the right candidate according to the requirements: Academic Studies, Experience, SW Knowledge, Languages, ... to work in your facilities.

Recruitment

Our recruiters have a high experience in recruitment procedures, what ensures the highest level of competence and professionalism in the staffing industry, delivering the best possible service to both our clients and our **candidates**.

Work Packages

We provide a service based on a highly skilled workforce carrying out very specific tasks. We have our own facilities (office, pavilion and instrumentation laboratory) **and human and technical resources**.



***Our goal is to create long-term relationships
with our candidates & clients***



P&PD

RECRUITING: SEARCH & SELECTION OF STAFF

- 👍 ENGINEERS SELECTING ENGINEERS
- 👍 CANDIDATES ARE THE PILAR OF OUR BUSINESS
- 👍 WE OFFER TECHNICAL EXPERIENCE AND THE VALUE OF PEOPLE
- 👍 LONG-TERM MUTUAL BENEFITS
- 👍 NO TWO PROCESSES ARE ALIKE

SP

- 👍 WE UNDERSTAND YOUR NEEDS
- 👍 OUR OWN TRAINING DEPARTMENT
- 👍 WE WORK FOR CONTINGENCY FEES
- 👍 GUARANTEE OF OUR WORK AND LOYALTY
- 👍 THE MOST SUCCESSFUL SEARCH, FAST AND SUCCESSFUL

OUTSOURCING / TECHNICAL SUPPORT

- 👍 WE PROVIDE PEOPLE AND TECHNICAL RESOURCES (SW + HW)
- 👍 BETTER COST CONTROL
- 👍 INTERNATIONAL POSITIONS
- 👍 COMMITTED STAFF
- 👍 PROFESSIONALS SPECIALIZING IN DIFFERENT AREAS

AT

- 👍 WE MAKE OUR ENGINEERING DEPARTMENT SCALABLE
- 👍 GREATER FLEXIBILITY FOR ADAPTING TO INCREASES IN WORKLOAD
- 👍 FREES UP OUR CUSTOMERS' OWN MANAGEMENT RESOURCES
- 👍 EXPERIENCE IN EACH OF THE PROJECT PHASES
- 👍 WE GROW HAND IN HAND WITH OUR CUSTOMERS



P&PD

Sectors demand specific knowledge for each of the phases of development and industrialization of a product or process: initial idea, design, manufacturing, commissioning, life cycle, certification, validation... and, depending on the workload, each of these phases requires different professionals from different fields.





We can provide experts for all stages of the vehicle development process from the concept/style phase through engineering, testing and development in production.



PRODUCT AND PROCESS ENGINEERS



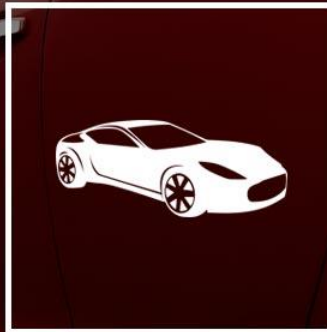
PRODUCT QUALITY ENGINEERS



SUPPLIER QUALITY ENGINEERS



COMPONENT DESIGNERS



STRESS AND NUMERICAL ANALYSIS ENGINEERING



COMPONENT TEST AND INTEGRATION SYSTEMS



SOFTWARE QUALITY



PURCHASING



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P&PD

Our profiles develop the prototype of the final product, they analyse, design, support production and even certify, validate and draft the product documentation.

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- A high-speed train, primarily red and white, is stopped at a station platform. The platform has a glass and metal roof. A clock and a sign with 'A 15' are visible on the right. Overlaid on the image is a list of services, each preceded by a small train icon. In the center of the image, there is a white-bordered inset showing a sleek, aerodynamic train nose.
- PROJECT MANAGERS
 - INFRASTRUCTURE MANAGERS
 - MECHANICAL AND ELECTRICAL DESIGNERS
 - STRESS AND NUMERICAL ANALYSIS ANALYSTS
 - EMBEDDED ELECTRONIC SYSTEMS
 - VALIDATION AND TESTING
 - INDUSTRIALIZATION
 - SOFTWARE DEVELOPMENT
 - PURCHASING
 - ...





Today, the aerospace industry is facing increasingly widespread aeronautical challenges in a society eager to preserve the environment and that of future generations. Technological advances, new materials, plant organization, interfacing, powerful engines... fuselage manufacturers, OEMs and engine manufacturers are constantly reinventing the aircraft of the future.

We can provide experts in all stages of the aircraft component development process from the concept/style phase through engineering, testing and development in production.



TEST BENCH TESTING AND VALIDATION ENGINEERS



ELECTRONICS AND AERONAUTICAL ENGINEERS



CALCULATION ENGINEERS (STRUCTURES, THERMAL, ETC.)



PRODUCTION ENGINEERS



MANAGEMENT SYSTEMS ENGINEERS



IT SUPPORT



MECHANICAL DEVELOPMENT ENGINEERS



RAMS / ILS ENGINEERS



CAD ENGINEERS



AIRCRAFT SYSTEMS ENGINEERS



PRODUCTION PROCESS QUALITY ENGINEERS



CERTIFICATION ENGINEERS



COMPONENT QUALITY ASSURANCE ENGINEERS



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P&PD

Our profiles participate in the development of the product (turbine, blades, etc.), during the pre-study of the wind farm and during its creation, commissioning and maintenance.


 DESIGN AND CERTIFICATION ENGINEERS

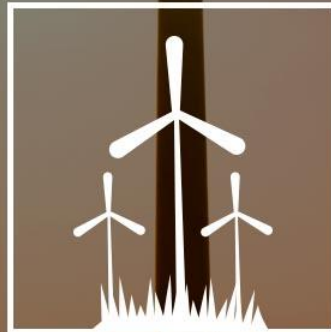
 MECHANICAL ENGINEERS, STRUCTURAL ANALYSIS

 ANALYSIS OF WIND LOADS

 SITE MANAGERS

 RELIABILITY AND SAFETY STUDIES


 TESTING ENGINEERS - MONITORING



 COMMISSIONING

 PROJECT MANAGERS

 PURCHASING ENGINEERS

 CONTROL AND MONITORING

 FACILITIES OPERATIONS

 MAINTENANCE OPERATIONS

 ...



P&PD

Development of prototypes, industrialization, quality and certification.



CAD DESIGNERS



CAE ANALYSTS



PROJECT MANAGERS



PRODUCTION ORGANIZATION



PRODUCTION MANAGERS



CAM DESIGN, PROGRAMMERS AND CAM TECHNICIANS



PRODUCT AND PROCESS QUALITY



QUALITY OF SUPPLIERS



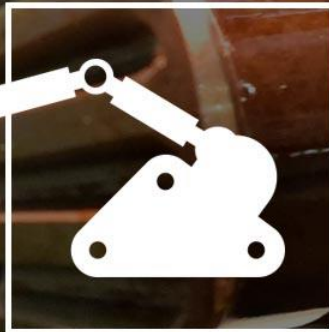
TESTING AND VALIDATION



CERTIFICATION AND DOCUMENTATION




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P&PD


Our profiles participate in the development, commissioning and maintenance of the power plant.

 TUBING, SUPPORTS AND PIPING DESIGN

 HVAC / AIR CONDITIONING DESIGN


 ELECTRICAL ROUTING AND MAP DESIGN

 PROJECT MANAGERS


 SITE MANAGERS



 LOAD AND STRUCTURE ANALYSTS

 ELECTRONICS ENGINEERS

 COMMISSIONING AND SERVICING

 MAINTENANCE MANAGERS

 WORK CERTIFICATION

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P&PD

Participation in civil works projects: desalination plants, chemical plants, water treatment plants, fountains, hospitals, airports...

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-  GEOLOGICAL STUDIES FOR LAND PREPARATION
 -  SUPPLIER MANAGEMENT
 -  CRANE HANDLING TECHNICIANS
 -  DIMENSIONING/DESIGN OF FACILITIES
(SUPPORTS, PIPING, ELECTRICS)
 -  SITE MANAGERS
 -  NUMERICAL ANALYSIS OF STRUCTURES
 -  FIRE PROTECTION SYSTEMS DESIGN
 -  HVAC / AIR CONDITIONING DESIGN
 -  COMMISSIONING
 -  FACILITIES MAINTENANCE
 -  WORK CERTIFICATION
 -  ...



P&PD

Support for the IT systems of our customers, providing operation and maintenance services, methodologies and common standards within a secure and controlled environment.



PROGRAMMERS



ANALYSTS



SYSTEM ADMINISTRATOR



NETWORK ADMINISTRATOR



DATABASE ADMINISTRATOR



PROJECT MANAGER



MICROCOMPUTING TECHNICIANS



	SPECIALIZED		EXPERIENCED		RESPONSIBLE		MULTIDISCIPLINARY	
	AUTOMOTIVE	RAILWAY	AERONAUTICAL	WIND	INDUSTRIAL	OIL&GAS	CIVIL	IT
DESIGN ENGINEER	○	○	○	○	○			
ELECTRONIC ENGINEER	○	○	○					
DEVELOPMENT ENGINEER	○	○	○	○	○			
KNOWLEDGE FIRE PROTECTION / HVAC / BIM						○	○	
MANUFACTURING ENGINEER	○		○		○			
QUALITY ENGINEER	○	○	○	○	○	○	○	○
STRESS ENGINEER	○	○	○	○	○	○	○	
CAE ANALYST	○	○	○	○	○			
VALIDATION AND CERTIFICATION	○	○	○	○	○	○	○	
NHV ENGINEER	○	○	○	○				
WORK CERTIFICACION			○	○				
SW & HW ENGINEER	○		○		○			
TECHNICAL DOCUMENTATION	○	○	○	○	○			
LOGISTICS ENGINEER	○	○	○	○	○			
PIPELINE ANALYST / DESIGNER						○	○	
CNC PROGRAMMER ENGINEER	○	○	○	○	○			
PROJECT MANAGER	○	○	○	○	○	○	○	○
COMMISSIONING ENGINEER			○	○	○	○	○	
INDUSTRIAL MAINTENANCE	○	○	○	○	○	○	○	
RAMS/ILS ENGINEER	○	○	○	○				
PROJECT ENGINEER	○	○	○	○	○	○	○	○
PURCHASING	○	○	○	○	○	○	○	
TEST ENGINEER	○	○	○	○	○			
SUPPLIER CONTROL ENGINEER	○	○	○	○	○	○	○	



P&PD

Our competency and specialization is mainly in Industrial Design and Engineering. We focus on the concept and functional design, the actual structure behaviour and industrial process/manufacturing needs in the mechanical and electronics engineering fields.

DESIGN

- ⚙️ PRELIMINARY IDEA, DEFINITION OF PROCESS, DESIGN...
- ⚙️ PRODUCT DESIGN, FROM THE CONCEPT TO THE PROTOTYPE, INCLUDING INDUSTRIALIZATION.
- ⚙️ DESIGN AND CERTIFICATION OF INDUSTRIAL MACHINES/COMPONENTS THAT INCLUDE MANUFACTURING, ASSEMBLY, TRANSPORTATION AND HANDLING.
- ⚙️ TURNKEY PROJECT: CE MARKING



P&PD

Structural analysis: linear and non-linear, thermal, fatigue, welding, characterization of materials, dynamic modes, explicit simulations, topology optimization, composites.

- 
- 1 FLUID DYNAMICS: TURBULENCE, HEAT TRANSFER, PRESSURE FIELDS, EVACUATION OF GASES, FLUID SIMULATIONS.
 - 2 DYNAMICS AND TESTS: CRASH SIMULATION, SEISMIC SIMULATION, MULTIBODY, DEFINITION OF LINEAR AND NON-LINEAR CORRELATION TEST FOR PRODUCT VALIDATION.
 - 3 VALIDATION AGAINST TEST RESULTS (NOT ONLY AGAINST THOSE ESTABLISHED BY SIMULATION TOOLS), CORRELATION AND VALIDATION.
 - 4 CERTIFICATION DOCUMENTATION: GERMANISCHER LLOYD, EUROCODE, DNV...
 - 5 VIRTUAL MANUFACTURING: STAMPING, FORGING, CASTING AND METAL INJECTION, RHEOLOGY, COMPOSITE MATERIALS AND WELDING.

FEM SIMULATION





Our Testing department provides solutions in advanced instrumentation, data acquisition, data processing and monitoring to measure, integrate, manage and CORRECT real results with finite element simulation results, as well as to evaluate Predictive Maintenance.

TESTING & MONITORING



TESTING, MEASUREMENT (IN THE FIELD AND LABORATORIES, OUR OWN OR THOSE OF CUSTOMERS)



CALIBRATIONS - INSPECTIONS - CERTIFICATIONS - AUDITING – TRAINING



THIS RANGE OF SERVICES HELPS IMPROVE THE QUALITY OF THE PRODUCT. P&PD PROVIDES CUSTOMIZED "MONITORING SYSTEMS", SUCH AS **RAILFORM***, WTM SYSTEM (WIND TURBINE MONITORING SYSTEM), COMPETITION ADJUSTMENT WHEELS, AUTOMATIC GEAR KIT, CATENARY DESIGN...

* www.railfom.com



P&PD

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